

FIG. 1

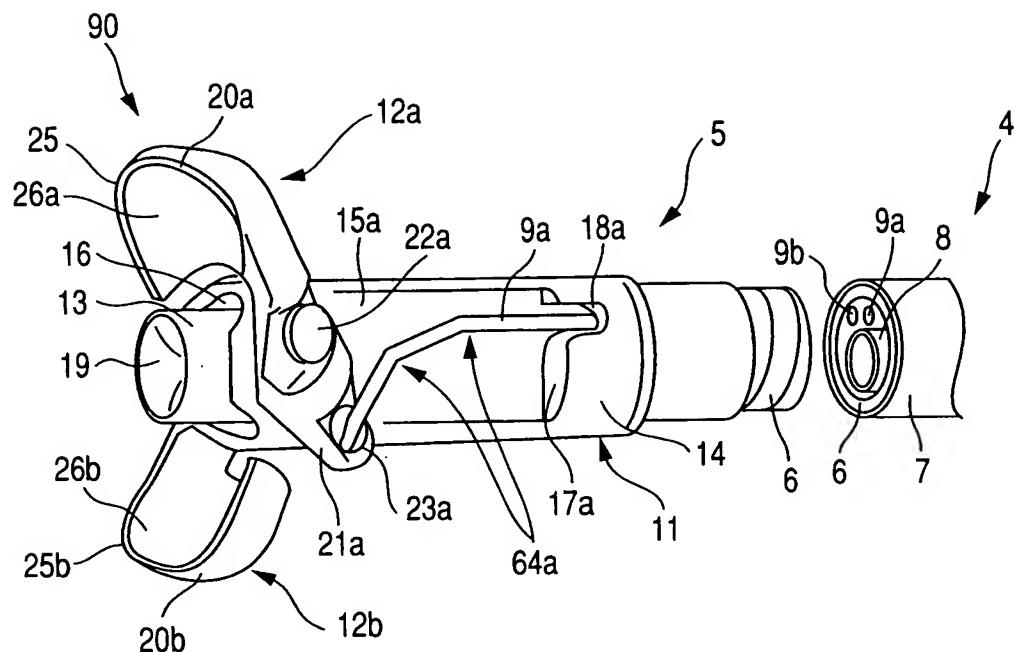


FIG. 2A

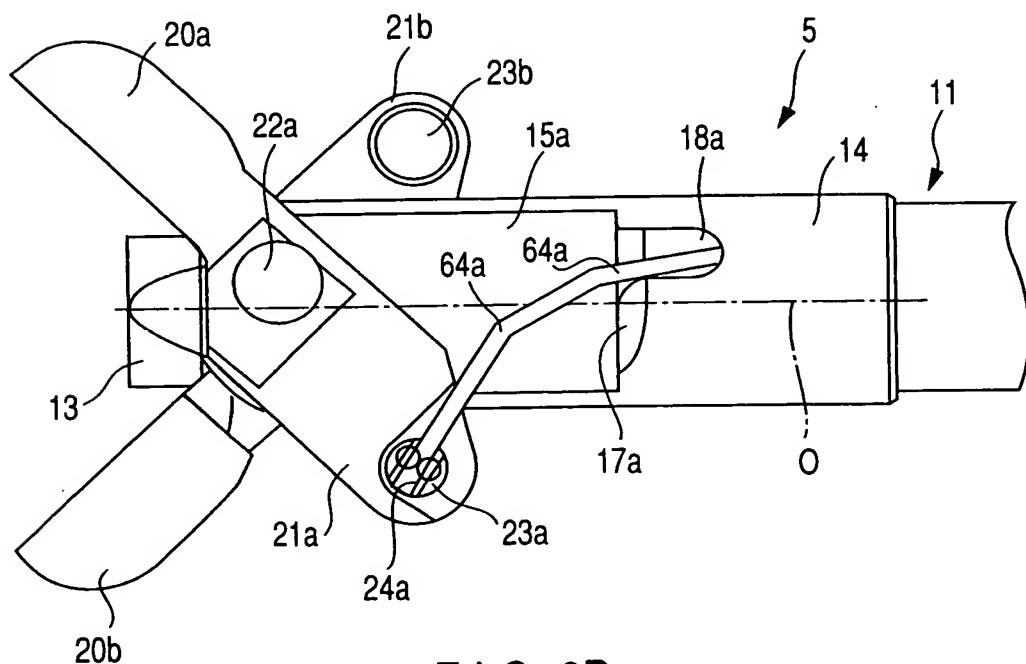


FIG. 2B

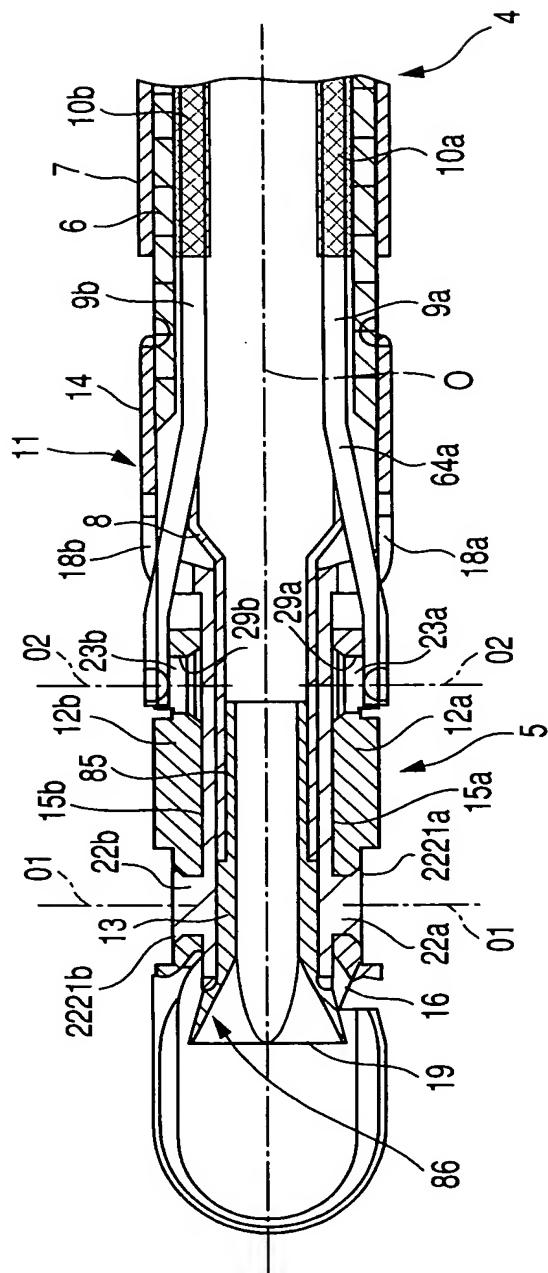


FIG. 3A

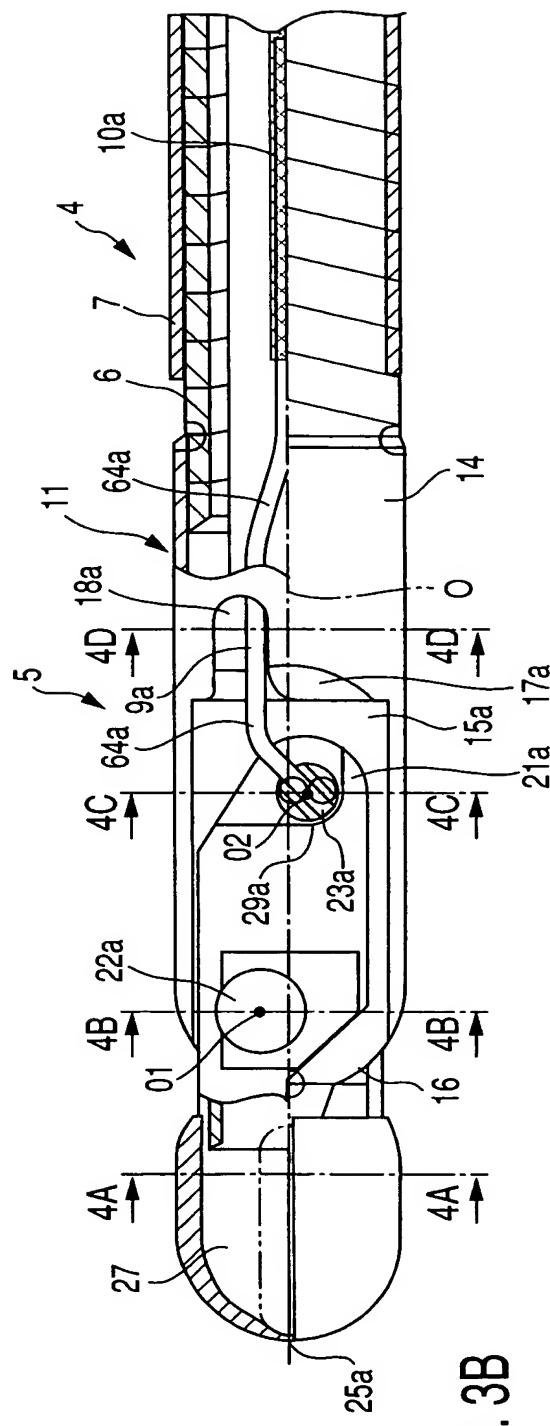


FIG. 3B

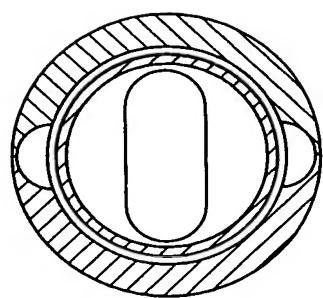


FIG. 4A

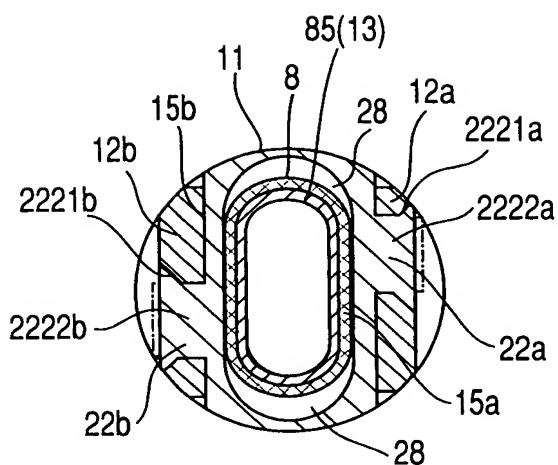


FIG. 4B

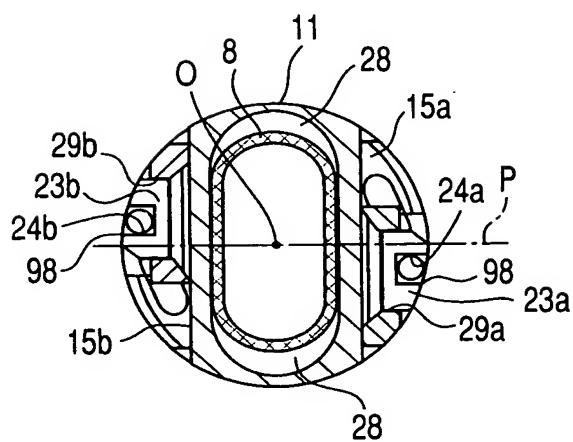


FIG. 4C

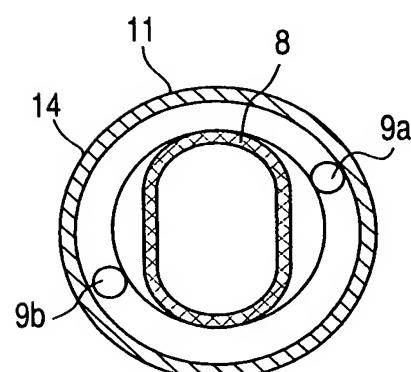
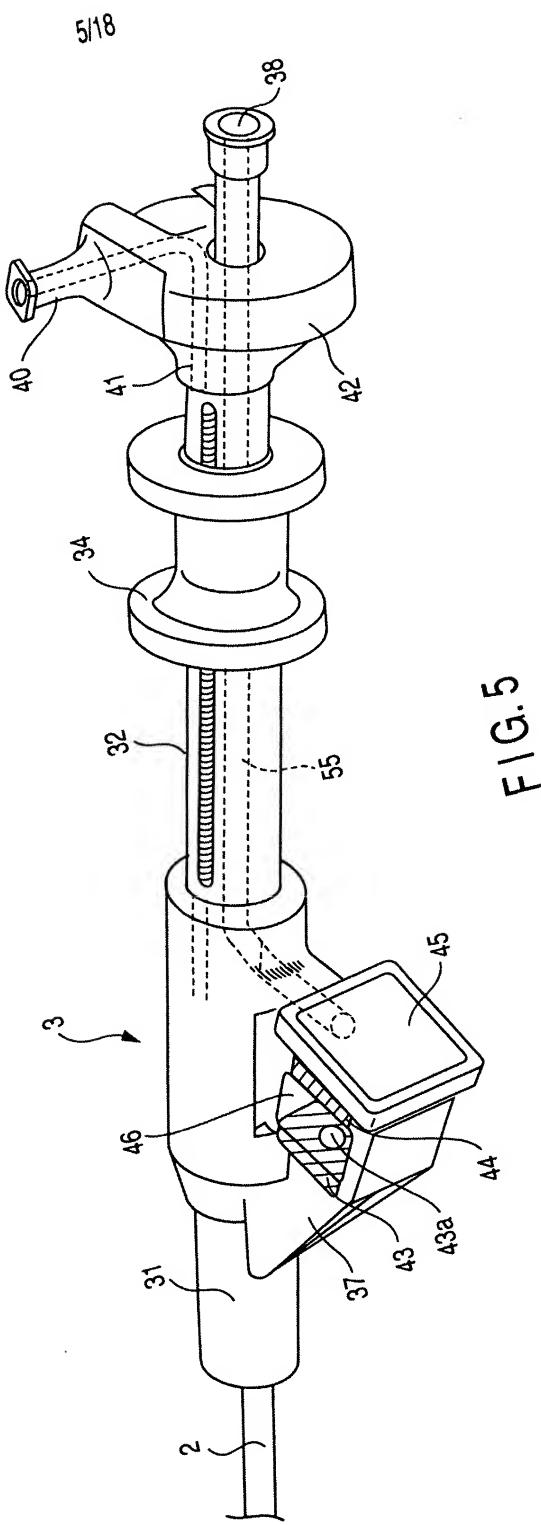
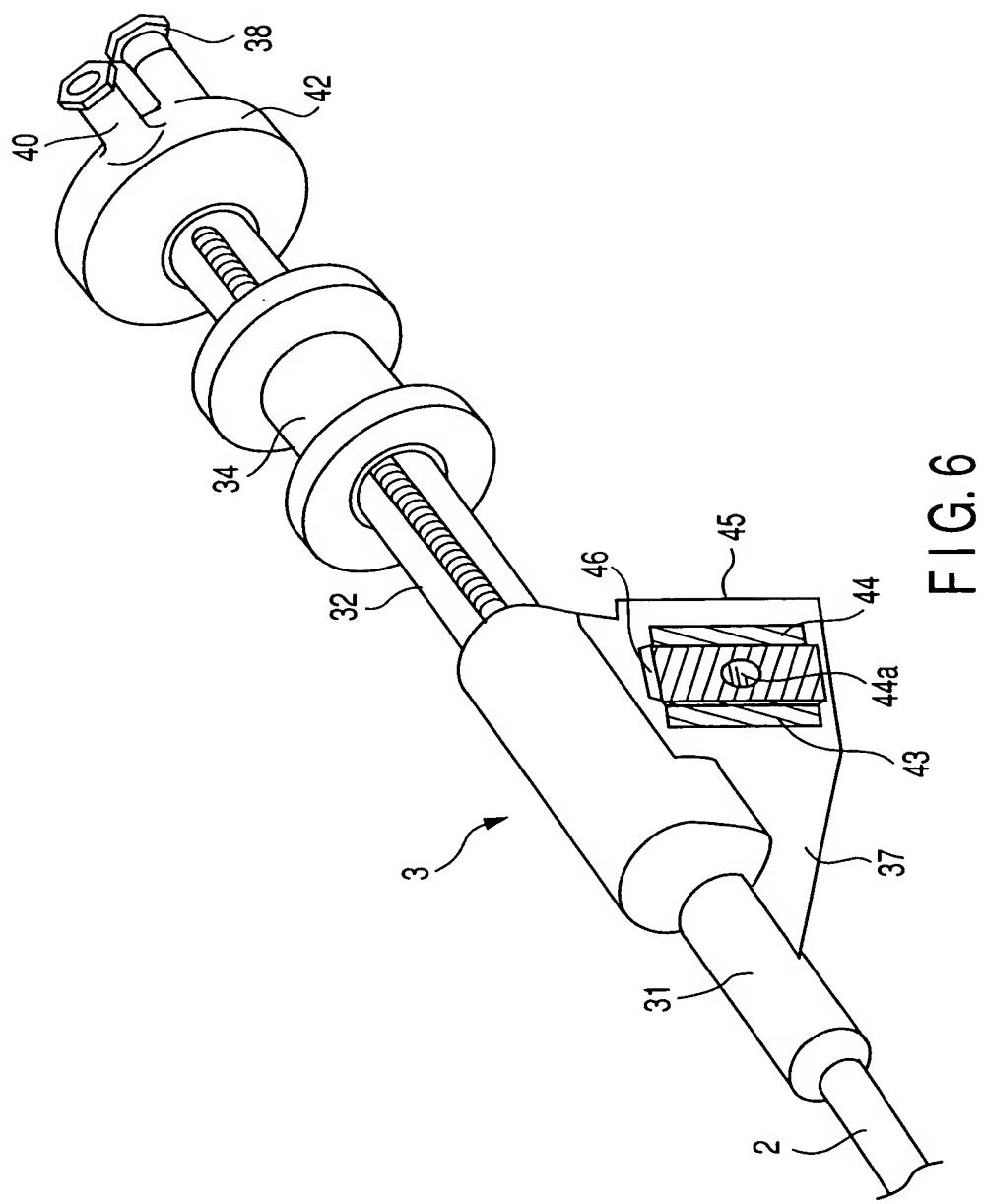
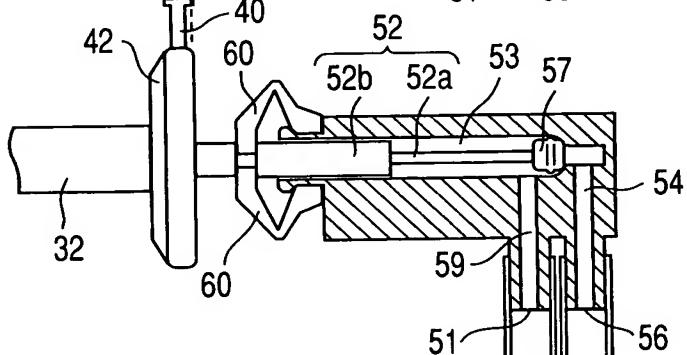
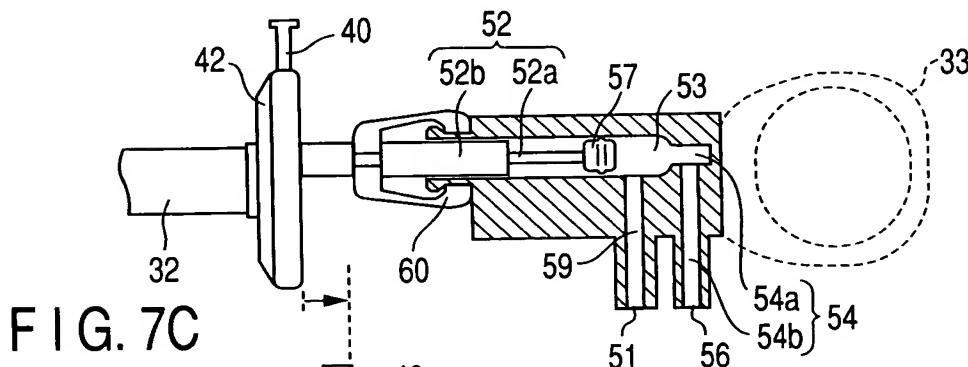
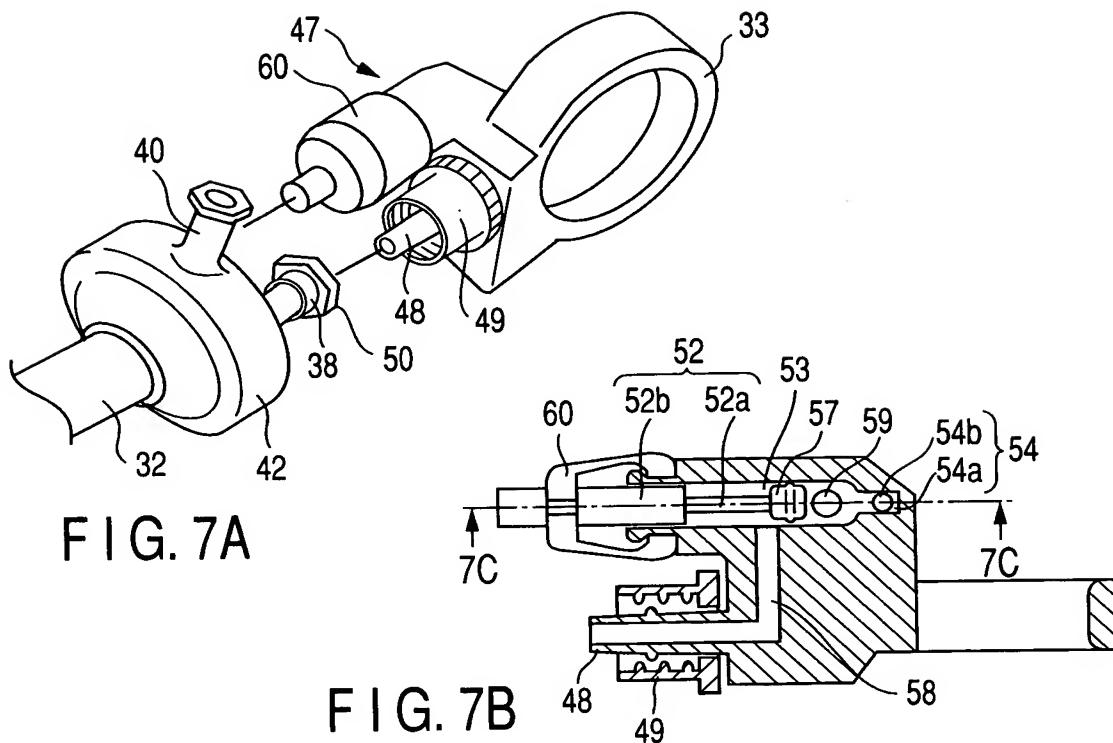


FIG. 4D







To suction pump To endoscope

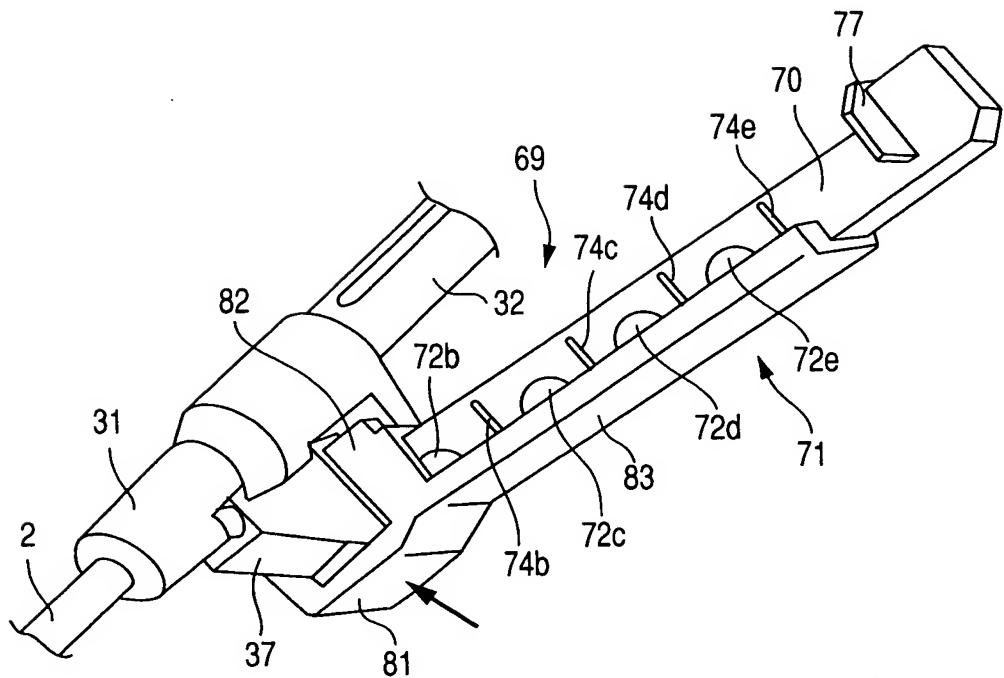


FIG. 8A

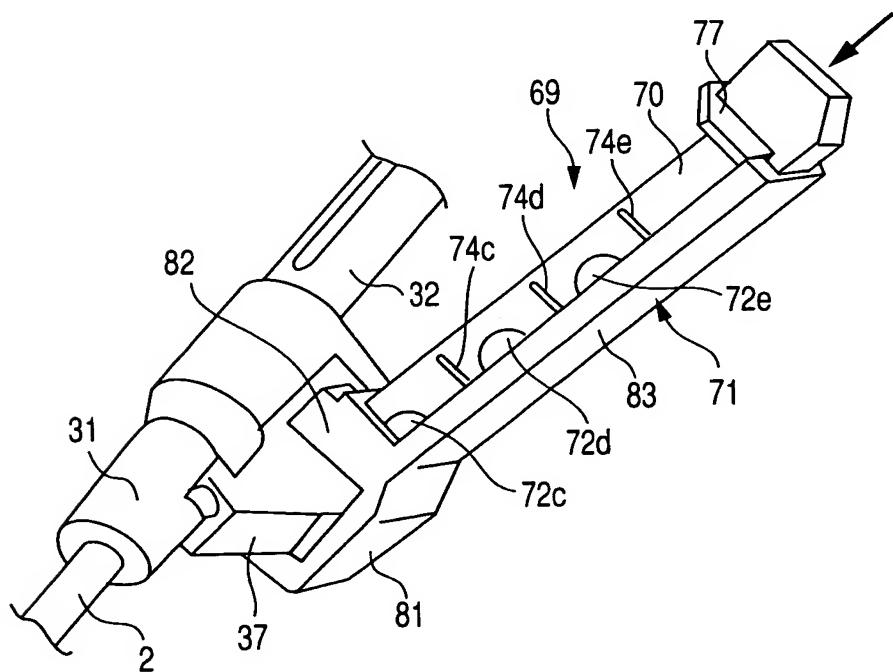


FIG. 8B

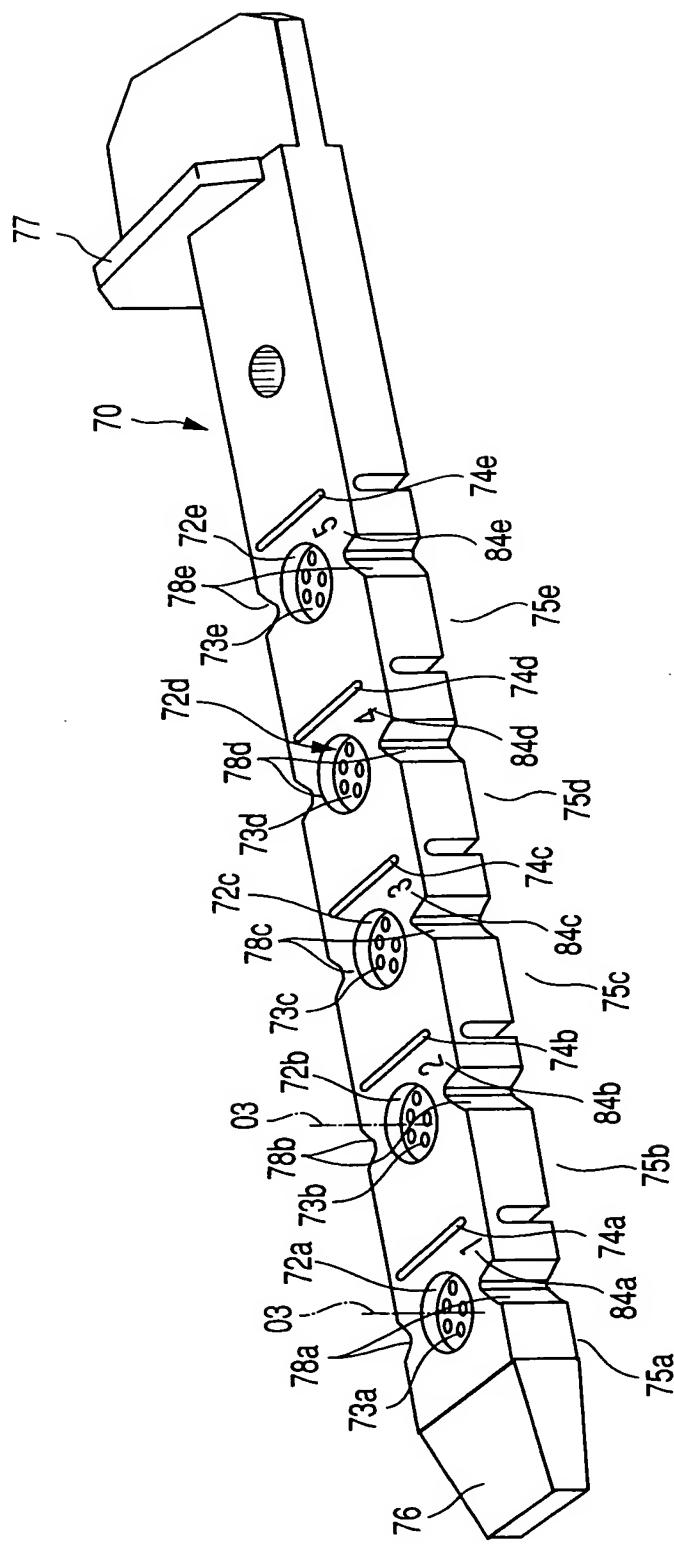


FIG. 9

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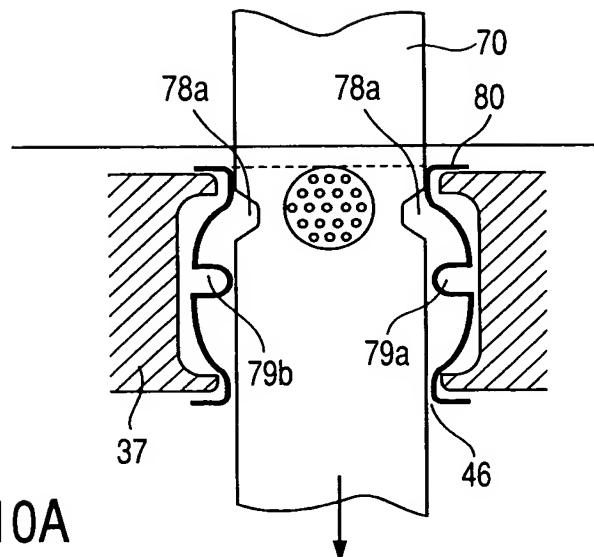


FIG. 10A

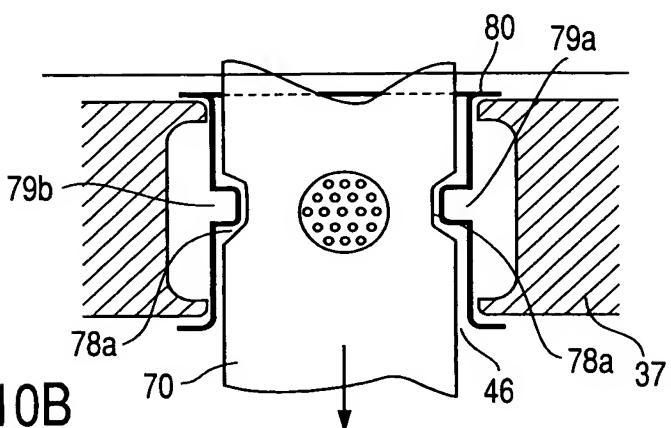


FIG. 10B

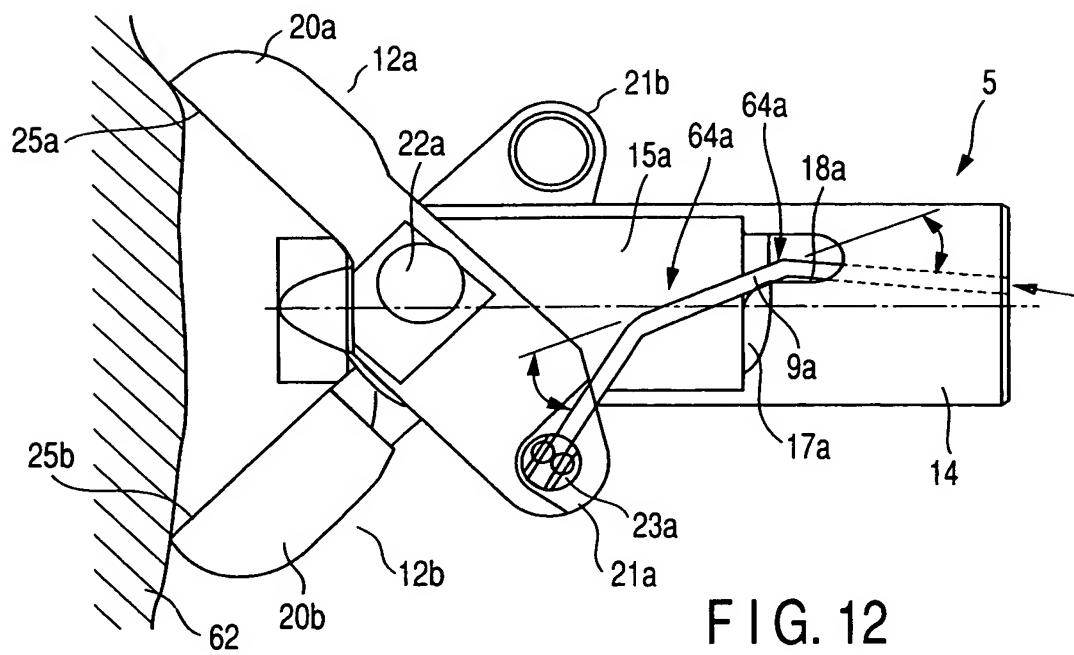


FIG. 12

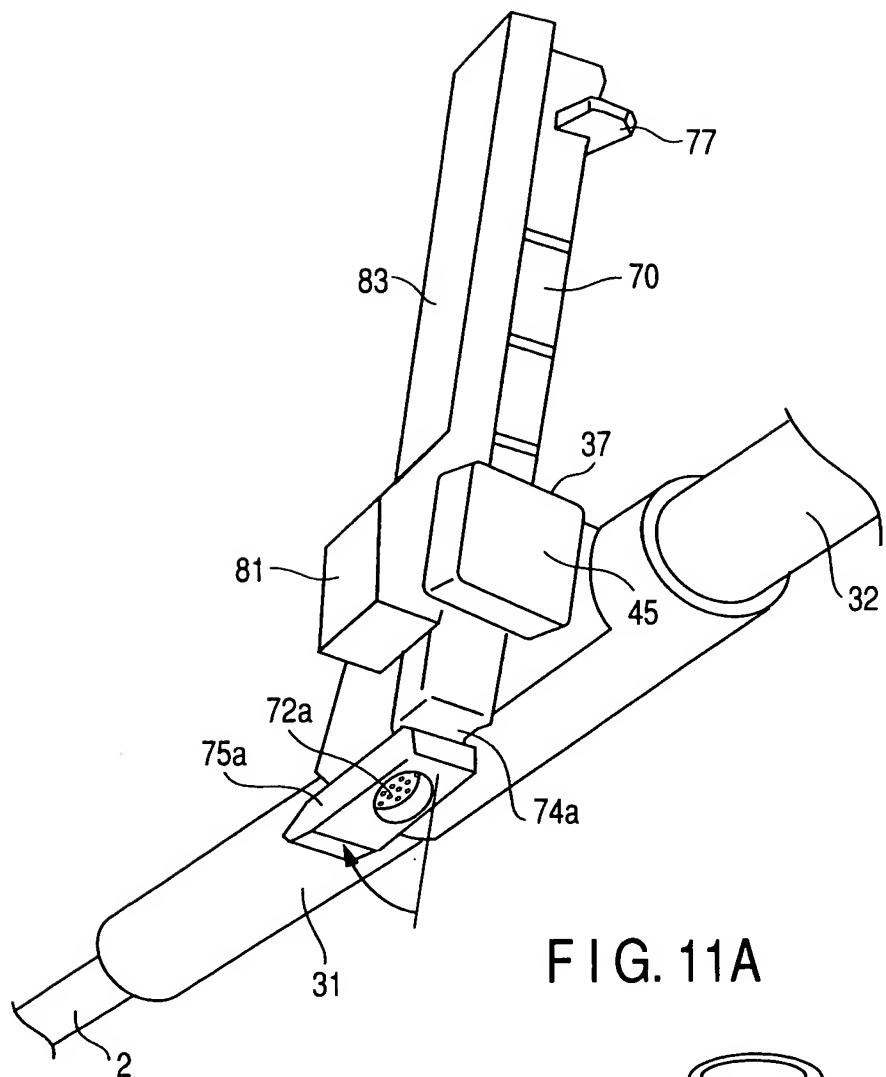


FIG. 11A

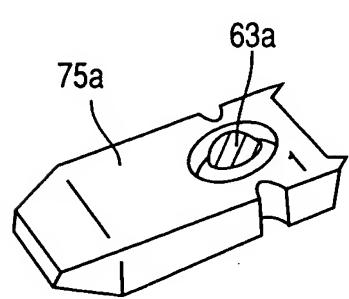


FIG. 11B

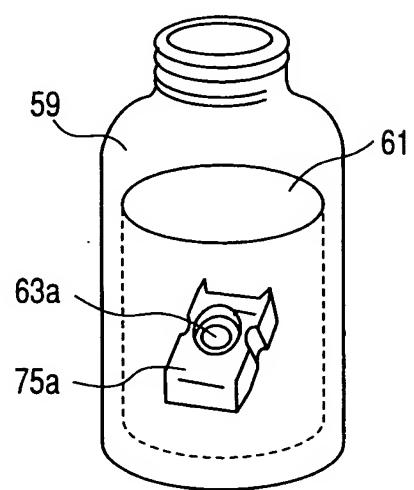
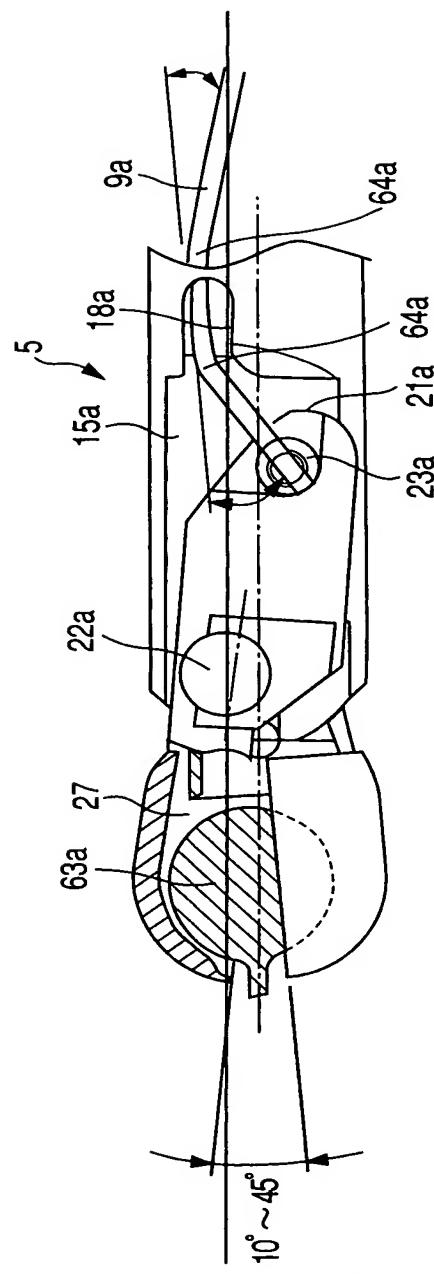
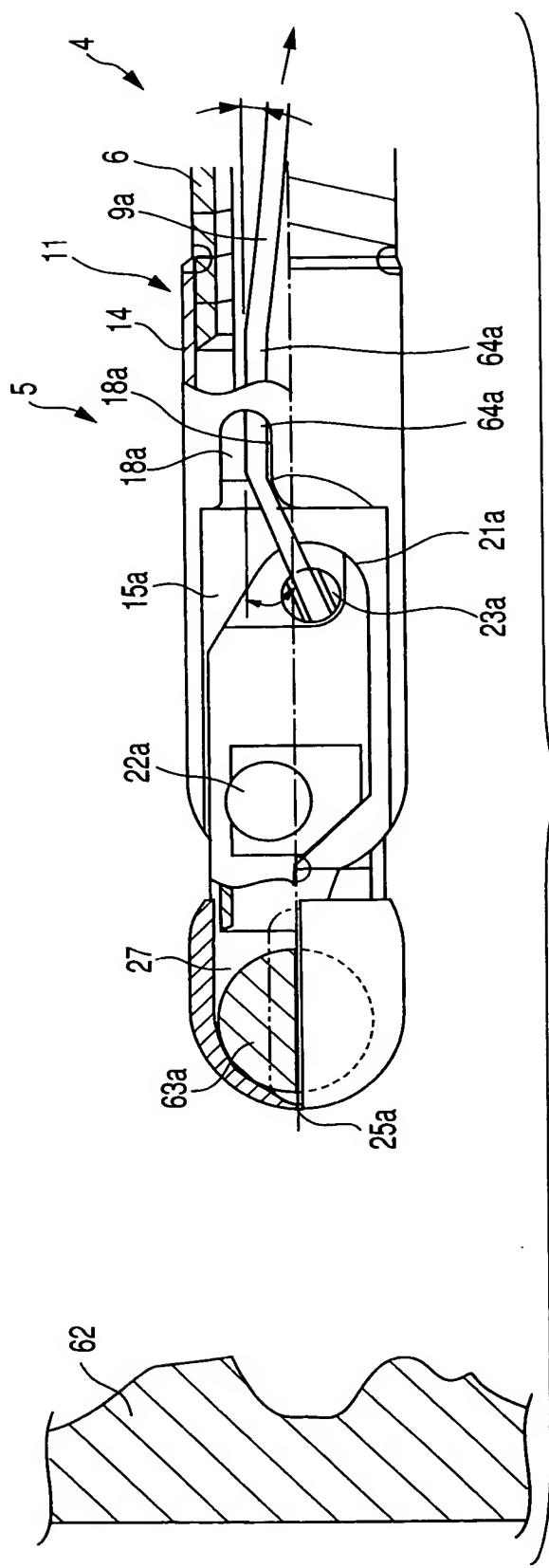


FIG. 11C



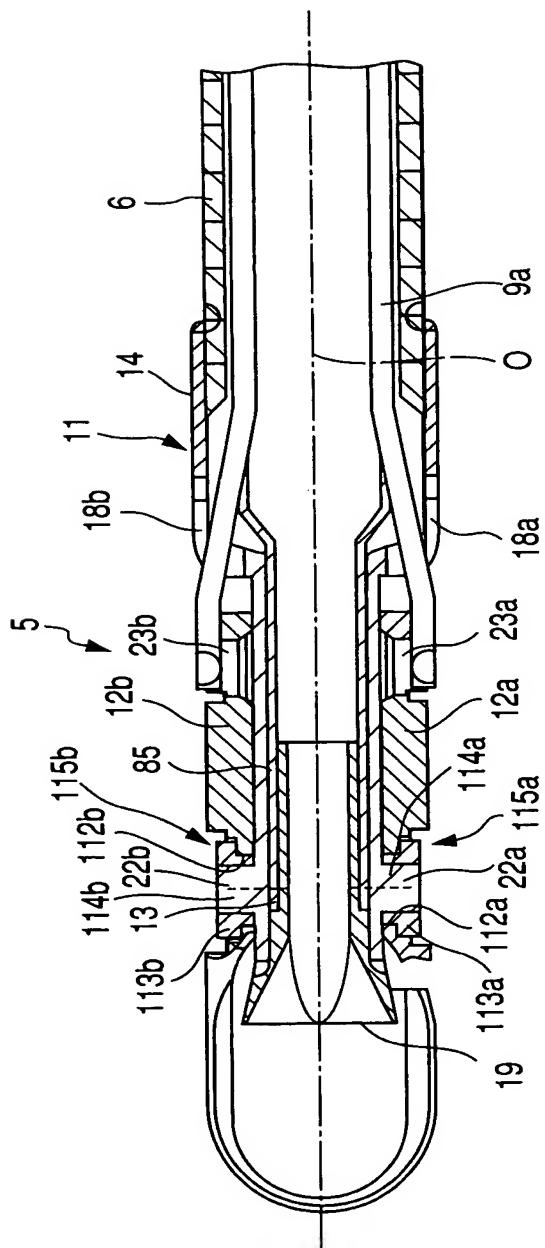


FIG. 15A

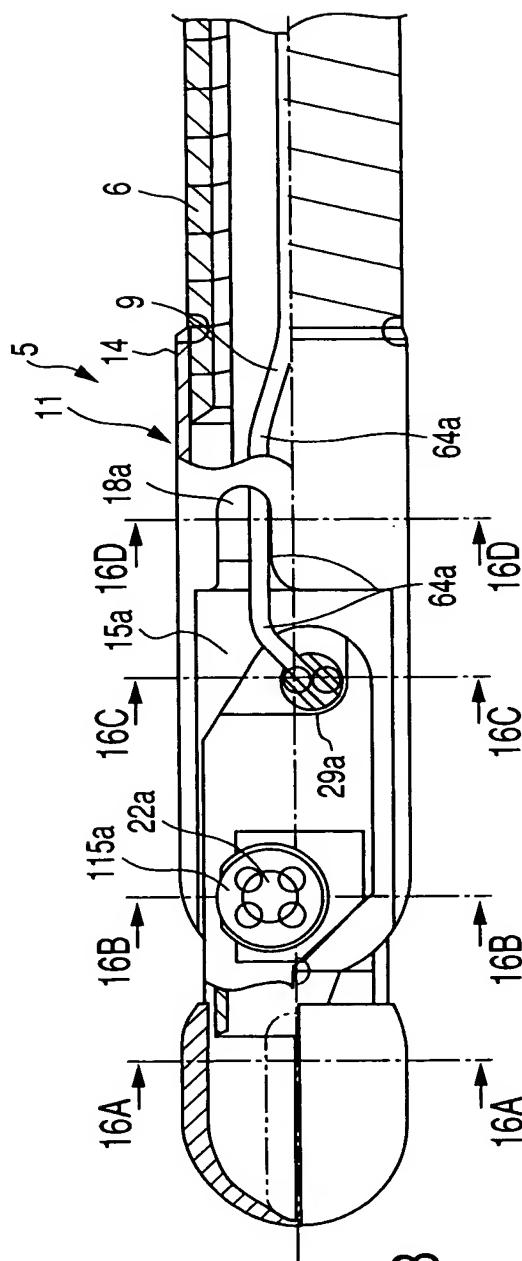


FIG. 15B

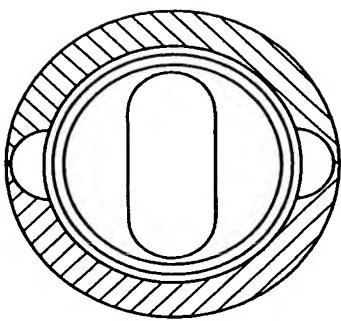


FIG. 16A

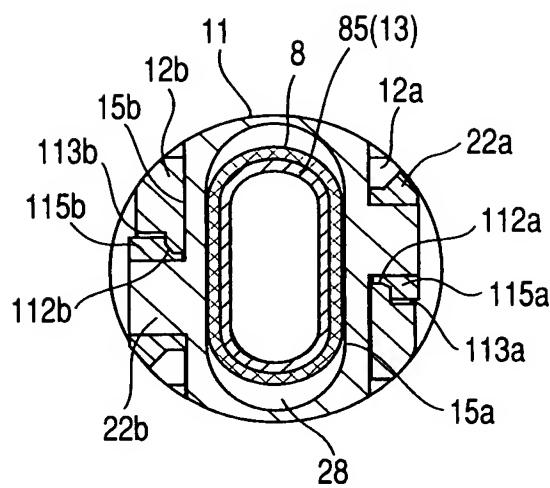


FIG. 16B

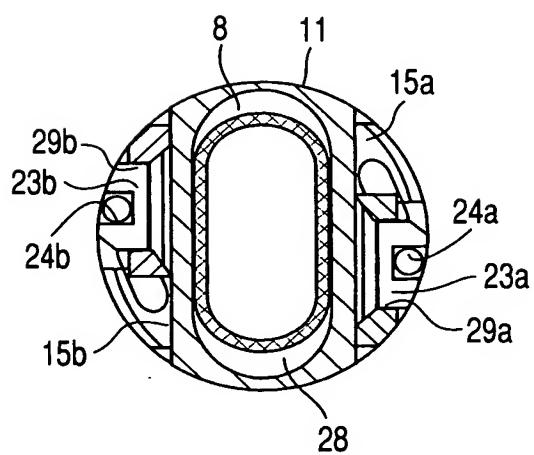


FIG. 16C

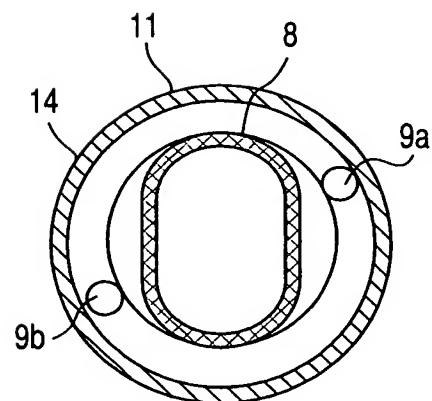


FIG. 16D

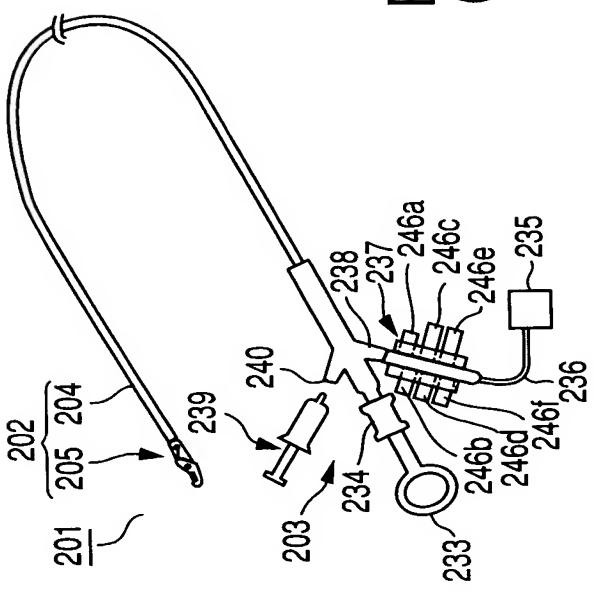
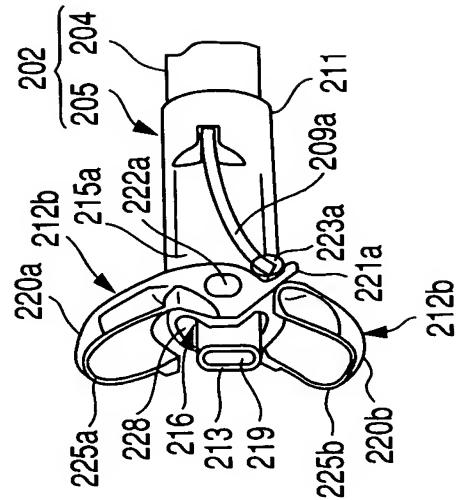


FIG. 1/B
(PRIOR ART)



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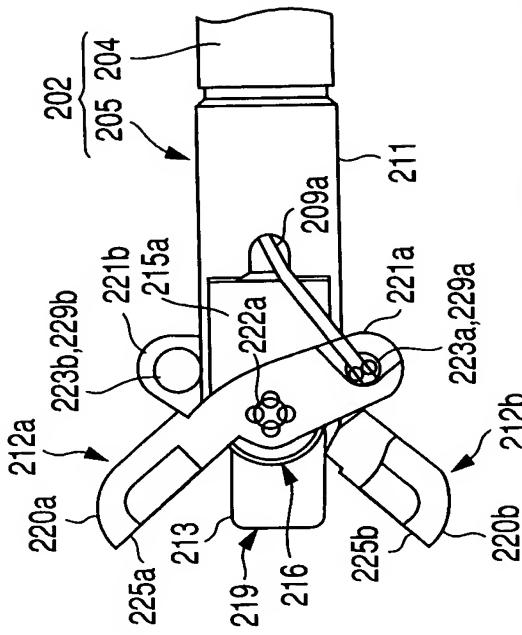


FIG. 17C (PRIOR ART)

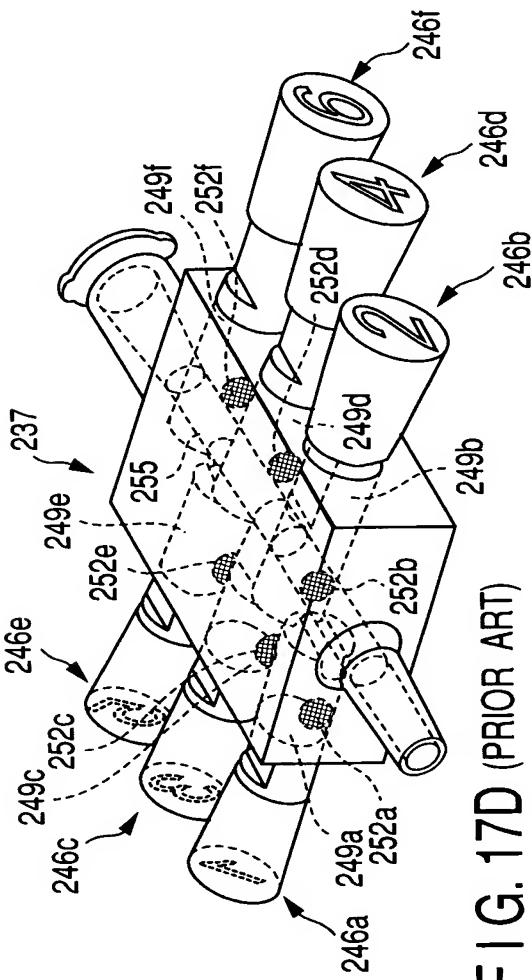


FIG. 17D (PRIOR ART)

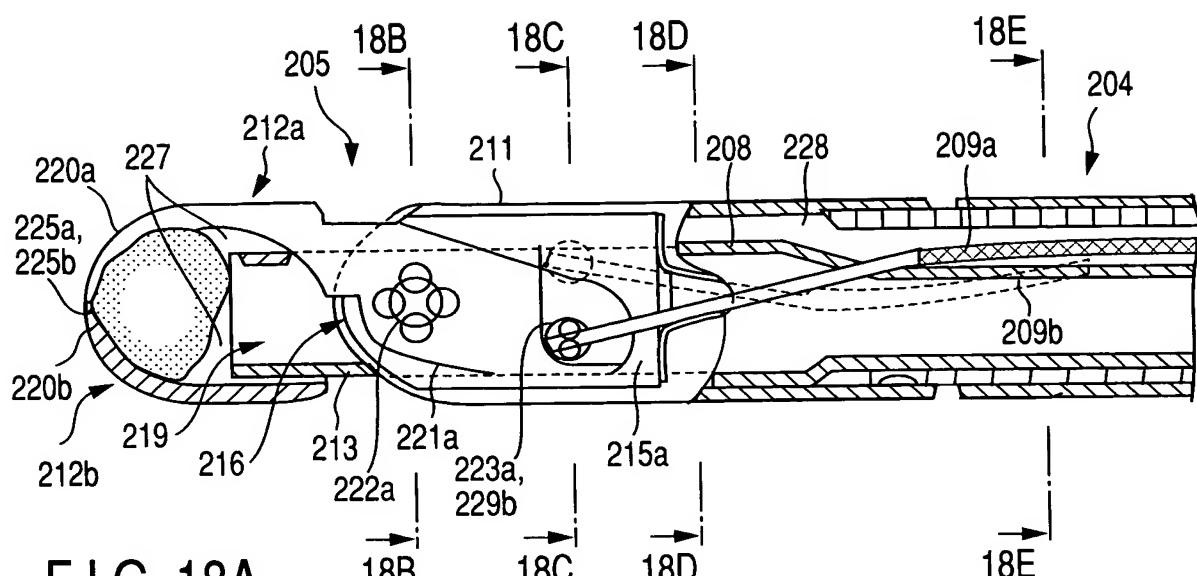


FIG. 18A
(PRIOR ART)

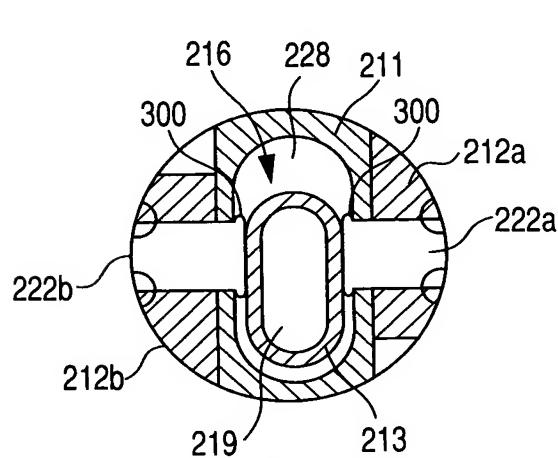


FIG. 18B
(PRIOR ART)

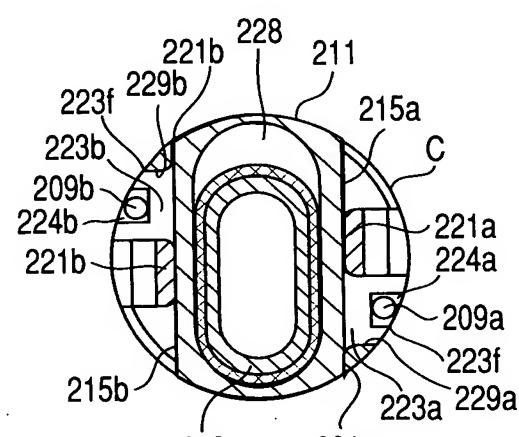


FIG. 18C
(PRIOR ART)

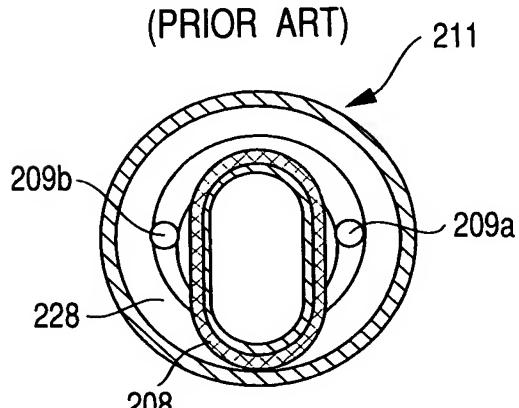


FIG. 18D
(PRIOR ART)

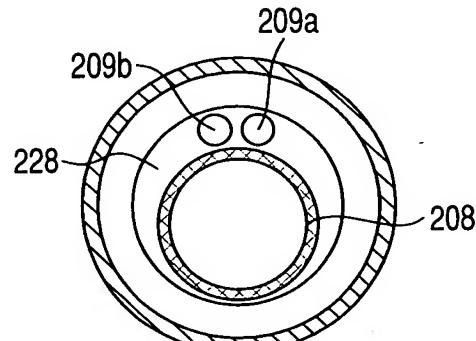


FIG. 18E
(PRIOR ART)

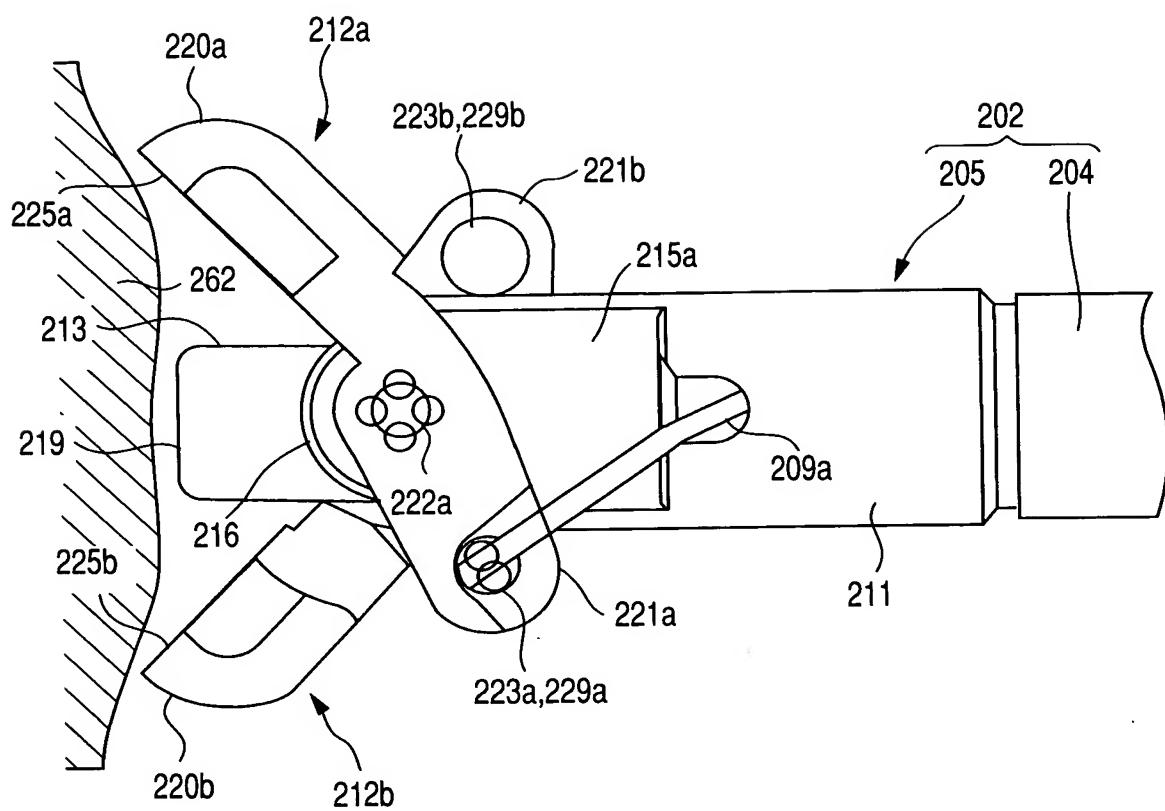


FIG. 19
(PRIOR ART)

